

## Chapter 7 Cell Structure and Function

## Section Review 7-2

### Reviewing Key Concepts

**Matching** *On the lines provided, match the structure with its function in the cell.*

- |                                |                                                                                                              |
|--------------------------------|--------------------------------------------------------------------------------------------------------------|
| _____ 1. cell wall             | a. controls most cell processes and contains DNA                                                             |
| _____ 2. nucleus               | b. uses energy from food to make high-energy compounds                                                       |
| _____ 3. cytoskeleton          | c. provides support and protection for the cell                                                              |
| _____ 4. endoplasmic reticulum | d. maintains cell shape with a network of protein filaments                                                  |
| _____ 5. Golgi apparatus       | e. uses energy from sunlight to make food molecules                                                          |
| _____ 6. chloroplast           | f. site where lipid components of the cell membrane are assembled and where proteins are chemically modified |
| _____ 7. mitochondrion         | g. modifies, sorts, and packages proteins and other materials from the ER                                    |

### Reviewing Key Skills

8. **Inferring** Plants have cells that contain chloroplasts. Why must their cells contain mitochondria as well?

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9. **Using Analogies** In some ways, a cell is analogous to a factory. Create an analogy describing the job of a lysosome within a cellular "factory."

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10. **Comparing and Contrasting** What structures make plant and animal cells different?

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